

WHAT IS CLAIMED IS:

1. An inverter unit grounding method comprising:
connecting a 0V of a circuit system including a
sensor circuit for a sensor in an inverter unit for
5 driving a motor with a shield braid of a shielded cable
connecting the sensor circuit and the sensor; and
connecting the shield braid of the shielded cable to
an earth plate outside the inverter unit.
2. An inverter unit for driving a motor, comprising:
10 a sensor for detecting the state of the motor or a
machine using the inverter unit; and
a circuit system including a sensor circuit for the
sensor, wherein
the sensor circuit is connected with the sensor by
15 means of a shielded cable having a shield braid, and
the shield braid is connected to a 0V of the circuit
system and an earth plate outside the inverter unit.
3. The inverter unit according to claim 2, wherein the
20 sensor detects the position or speed of the motor, the
magnetic pole position of a rotor of the motor, the
temperature of the motor, or the acceleration of the
motor, and the sensor circuit processes signals from
the sensor.
4. A machine using the inverter unit according to claim
25 3.